

action of external gas flow forces. In the process, these external forces perform work against the Coulomb forces, and the charges are routed onto electrodes. The process steps are carried out within the inside volume of a heat pipe, with charge separation and charge displacement taking place using the directed gas flow within the heat pipe. The gas flow entrains a liquid medium and routes it past the other working medium for charge separation and displacement. An application of the present invention is in the use of solar energy.